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COMPOSITIONAL STUDIES

ON

OILSEEDS, OILS, AND MEALS

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A List of Publications and Patents, 1962-1969
Northern Regional Research Laboratory

Agricultural Research Service

UNITED STATES DEPARTMENT OF AGRICULTURE

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This list of publications and patents represents 8 years of research work. It supersedes the previous list issued as ARS 71-23, Suppl. 1-7. References are arranged chronologically except when they form a series of papers under the same general title or when the subject matter is closely related. All authors cited are members of the Northern Utilization Research and Development Division, Peoria, Ill.; exceptions are noted in footnotes or affiliation cited after author(s)' name.

Other list of publications are available: Engineering Studies on Processing of Oils and Meals, ARS 71-40; Edible Soybean Oil and Related Studies, ARS 71-41; Edible Soybean Protein and Related Studies, ARS 71-42; Chemically Modified Oil Products for Industrial Uses, ARS 71-43; Reviews and General Articles on Oilseed Crops Research, ARS 71-44; Miscellaneous Studies Related to Soybean and Other Oilseed Crops, ARS 71-45.

Northern Utilization Research and Development Division
Agricultural Research Service
United States Department of Agriculture
1815 North University Street
Peoria, Ill. 61604

COMPOSITIONAL STUDIES ON OILSEEDS, OILS, AND MEALS

1962-1969

Publications

[Publications marked (*) are not available for distribution. When requesting specific reprints, please order by number. Use your zip code.]

Screening Studies

1354 SEARCH FOR NEW INDUSTRIAL OILS. VI. SEED OILS OF THE GENUS *LESQUERELLA*
K. L. Mikolajczak, F. R. Earle, and I. A. Wolff
J. Amer. Oil Chem. Soc. 39(2): 78-80. February 1962

1442 SEARCH FOR NEW INDUSTRIAL OILS. VII
F. R. Earle, I. A. Wolff, C. A. Glass, and Quentin Jones[1]
J. Amer. Oil Chem. Soc. 39(9): 381-383. September 1962

1660 SEARCH FOR NEW INDUSTRIAL OILS. VIII. THE GENUS *LIMNANTHES*
R. W. Miller, M. E. Daxenbichler, F. R. Earle, and H. S. Gentry[1]
J. Amer. Oil Chem. Soc. 41(3): 167-169. March 1964

1674 SEARCH FOR NEW INDUSTRIAL OILS. IX. *CUPHEA*, A VERSATILE SOURCE OF FATTY ACIDS
R. W. Miller, F. R. Earle, I. A. Wolff, and Q. Jones[1]
J. Amer. Oil Chem. Soc. 41(4): 279-280. April 1964

1689 SEARCH FOR NEW INDUSTRIAL OILS. X. SEED OILS OF THE CALENDULEAE
F. R. Earle, K. L. Mikolajczak, I. A. Wolff, and A. S. Barclay[1]
J. Amer. Oil Chem. Soc. 41(5): 345-347. May 1964

1701 SEARCH FOR NEW INDUSTRIAL OILS. XI. OILS OF BORAGINACEAE
Robert Kleiman, F. R. Earle, I. A. Wolff, and Quentin Jones[1]
J. Amer. Oil Chem. Soc. 41(7): 459-460. July 1964

1701A * ADDENDUM: SEARCH FOR NEW INDUSTRIAL OILS. XI. OILS OF BORAGINACEAE
Robert Kleiman, F. R. Earle, I. A. Wolff, and Quentin Jones[1]
J. Amer. Oil Chem. Soc. 45(5): 408. May 1968

1810 SEARCH FOR NEW INDUSTRIAL OILS. XII. FIFTY-EIGHT EUPHORBIACEAE OILS, INCLUDING ONE RICH IN VERNOLIC ACID
R. Kleiman, C. R. Smith, Jr., S. G. Yates, and Quentin Jones[1]
J. Amer. Oil Chem. Soc. 42(3): 169-172. March 1965

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[1] Crops Research Division, Agricultural Research Service, U.S. Department of Agriculture, Beltsville, Md.

1912 SEARCH FOR NEW INDUSTRIAL OILS. XIII. OILS FROM 102 SPECIES OF CRUCIFERAE
Roger Wayne Miller, F. R. Earle, I. A. Wolff, and Quentin Jones[1]
J. Amer. Oil Chem. Soc. 42(10): 817-821. October 1965

2243 SEARCH FOR NEW INDUSTRIAL OILS. XIV. SEED OILS OF LABIATAE
J. M. Hagemann, F. R. Earle, I. A. Wolff, and A. S. Barclay[1]
Lipids 2(5): 371-380. September 1967

2302 SEARCH FOR NEW SEED OILS. XV. OILS OF BORAGINACEAE
Roger Wayne Miller, F. R. Earle, I. A. Wolff, and A. S. Barclay[1]
Lipids 3(1): 43-45. January 1968

1483 ANALYSES OF SEED SAMPLES FROM 113 PLANT FAMILIES
F. R. Earle and Quentin Jones[1]
Econ. Bot. 16(4): 221-250. October-December 1962

1552 THE NEUROACTIVE FACTOR *ALPHA-GAMMA* DIAMINOBUTYRIC ACID IN ANGIOSPERMOUS SEEDS
C. H. VanEtten and Roger W. Miller
Econ. Bot. 17(2): 107-109. April-June 1963

1574 AMINO ACID COMPOSITION OF SEEDS FROM 200 ANGIOSPERMOUS PLANT SPECIES
C. H. VanEtten, R. W. Miller, I. A. Wolff, and Quentin Jones[1]
J. Agr. Food Chem. 11(5): 399-410. September-October 1963

1820 * THE SEARCH FOR NEW INDUSTRIAL CROPS. IV. PROSPECTUS OF *LIMNANTHES*
Howard Scott Gentry[1] and R. W. Miller
Econ. Bot. 19(1): 25-32. January-March 1965

1815 * THE SEARCH FOR NEW INDUSTRIAL CROPS. V. THE SOUTH AFRICAN CALENDULEAE (COMPOSITAE) AS A SOURCE OF NEW OIL SEEDS
Arthur S. Barclay[1] and F. R. Earle
Econ. Bot. 19(1): 33-43. January-March 1965

2016 CHEMICAL ANALYSES OF SEEDS. II: OIL AND PROTEIN CONTENT OF 759 SPECIES
Quentin Jones[1] and F. R. Earle
Econ. Bot. 20(2): 127-155. April-June 1966

2278 PLANT SEEDS AS PROTEIN SOURCES FOR FOOD OR FEED. EVALUATION BASED ON AMINO ACID COMPOSITION OF 379 SPECIES
C. H. VanEtten, W. F. Kwolek,[2] J. E. Peters, and A. S. Barclay[1]
J. Agr. Food Chem. 15(6): 1077-1089. November-December 1967

2243 EVALUATION OF AMOUNTS AND PATTERN OF ESSENTIAL AMINO ACIDS IN PLANT SEEDS
W. F. Kwolek[2] and C. H. VanEtten
J. Agr. Food Chem. 16(3): 496-499. May-June 1968

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[2] Biometrical Services, Agricultural Research Service, U.S. Department of Agriculture, Peoria, Ill.

259-F LIPIDS IN CRUCIFERAE. IV. FATTY ACID PATTERNS IN SINGLE SEEDS AND SEED POPULATIONS OF VARIOUS CRUCIFERAE AND IN DIFFERENT TISSUES OF *BRASSICA NAPUS* L.
Lars-Ake Appelqvist
Swedish Seed Association, Svalof, Sweden[3]
Hereditas 61(1-2): 9-44. 1969

Soybeans
(Includes terpenoid compounds, carbohydrates, glycoproteins, phosphatides, unsaponifiables, and other constituents)

1418 SOYBEAN UNSAPONIFIABLES: CHROMATOGRAPHIC SEPARATIONS AND CHARACTERIZATION
R. L. Hoffmann, H. A. Moser, C. D. Evans, and J. C. Cowan
J. Amer. Oil Chem. Soc. 39(7): 323-327. July 1962

1642 SOYBEAN UNSAPONIFIABLES: CHROMATOGRAPHIC INVESTIGATION OF SHELL DRAIN CONDENSATE FROM A COMMERCIAL DEODORIZER
R. L. Hoffmann, C. D. Evans, and J. C. Cowan
J. Amer. Oil Chem. Soc. 41(2): 116-119. February 1964

1696 SOYBEAN UNSAPONIFIABLES: HYDROCARBONS FROM DEODORIZER CONDENSATES
C. D. Evans, J. Oswald, and J. C. Cowan
J. Amer. Oil Chem. Soc. 41(6): 406-411. June 1964

60-F GLI IDROCARBURI CONTENUITI NELLA FRAZIONE INSAPONIFICABILE DI ALCUNI OLII VEGETALI [HYDROCARBONS CONTAINED IN THE UNSAPONIFIABLE FRACTION OF SOME VEGETABLE OILS]
P. Capella, E. Fedeli, M. Cirimele, and G. Jacini
Experiment Station for the Fats and Oils Industries, Milan, Italy[3]
Riv. Ital. Sostanze Grasse 40(11): 603-606. November 1963

38-F SEPARATION OF TRITERPENE ALCOHOLS BY VAPOUR PHASE CHROMATOGRAPHY
P. Capella, E. Fedeli, and M. Cirimele
Experiment Station for the Fats and Oils Industries, Milan, Italy[3]
Chem. Ind. (London) (39): 1590-1591. September 1963

61-F SEPARAZIONE DI TERPENI E STEROLI SU STRATO SOTTILE DI SILICAGEL G IMPREGNATO CON $AgNO_3$ [STEROLS AND TRITERPENE ALCOHOL SEPARATION BY THIN-LAYER CHROMATOGRAPHY]
P. Capella, E. Fedeli, M. Cirimele, A. Lanzani, and G. Jacini
Experiment Station for the Fats and Oils Industries, Milan, Italy[3]
Riv. Ital. Sostanze Grasse 40(12): 645-648. December 1963

52-F COMPONENTI MINORI DEGLI OLII VEGETALI. SEPARAZIONE E STUDIO DEGLI ALCOOLI TRITERPENICI E DEGLI STEROLI [MINOR CONSTITUENTS OF VEGETABLE OILS. SEPARATION AND EXAMINATION OF TRITERPENE ALCOHOLS AND STEROLS]
P. Capella, E. Fedeli, M. Cirimele, A. Lanzani, and G. Jacini
Experiment Station for the Fats and Oils Industries, Milan, Italy[3]
Riv. Ital. Sostanze Grasse 40(12): 660-665. December 1963

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[3] Report of research work supported with funds provided by the U.S. Department of Agriculture under the authority of U.S. Public Law 480, 83d Congress, and sponsored by the Northern Utilization Research and Development Division.

49-F * A RAPID PAPER CHROMATOGRAPHIC METHOD FOR SEPARATION AND IDENTIFICATION OF SOYBEAN SAPOGENOLS
B. Gestetner
The Hebrew University, Rehovoth, Israel[3]
J. Chromatogr. 13(1): 259-261. January 1964

222-F * TRITERPENE ALCOHOLS AND STEROLS OF VEGETABLE OILS
E. Fedeli, A. Lanzani, P. Capella, and G. Jacini
Experiment Station for the Fats and Oils Industries, Milan, Italy[3]
J. Amer. Oil Chem. Soc. 43(4): 254-256. April 1966

58-F * SOYBEAN SAPONINS. III. FRACTIONATION AND CHARACTERIZATION
B. Gestetner, I. Ishaaya, Y. Birk, and A. Bondi
The Hebrew University, Rehovoth, Israel[3]
Isr. J. Chem. 1(4): 460-467. December 1963

86-F SOYBEAN SAPONINS. IV. THE EFFECT OF PROTEINS ON THE INHIBITORY ACTIVITY OF SOYBEAN SAPONINS ON CERTAIN ENZYMES
Isaac Ishaaya and Yehudith Birk
The Hebrew University, Rehovoth, Israel[3]
J. Food Sci. 30(1): 118-120. January-February 1965

88-F SOYA BEAN SAPONINS. PART V. SOYASAPOGENOL E
D. Willner,[4] B. Gestetner, D. Lavie,[4] Y. Birk, and A. Bondi
The Hebrew University, Rehovoth, Israel[3]
J. Chem. Soc., Suppl. 1, 1964: 5885-5888

127-F * SOYA BEAN SAPONINS--VI. COMPOSITION OF CARBOHYDRATE AND AGLYCONE MOIETIES OF SOYA BEAN SAPONIN EXTRACT AND OF ITS FRACTIONS
B. Gestetner, Yehudith Birk, and A. Bondi
The Hebrew University, Rehovoth, Israel[3]
Phytochemistry 5(4): 799-802. July 1966

128-F * SOYA BEAN SAPONINS--VII. A METHOD FOR THE DETERMINATION OF SAPOGENIN AND SAPONIN CONTENTS IN SOYA BEANS
B. Gestetner, Yehudith Birk, A. Bondi, and Y. Tencer
The Hebrew University, Rehovoth, Israel[3]
Phytochemistry 5(4): 803-806. July 1966

104-F * CHEMICAL COMPOSITION OF SOYBEAN SAPONINS
B. Gestetner, Y. Birk, and A. Bondi
The Hebrew University, Rehovoth, Israel[3]
Isr. J. Chem. 2(5a): 246-247. December 1964

2543 CRYSTALLINE SAPONINS FROM SOYBEAN PROTEIN
A. C. Eldridge and W. J. Wolf
Cereal Chem. 46(4): 344-349. July 1969

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[4] The Weizmann Institute of Science, Rehovoth, Israel

1950 CARBOHYDRATE CONTENT OF SOYBEAN PROTEINS
W. J. Wolf, Dayle Ann Sly, and W. F. Kwolek[2]
Cereal Chem. 43(1): 80-94. January 1966

73-F * POLYSACCHARIDES OF SOY-BEANS. PART 1. GALACTOMANNANS FROM THE HULLS
G. O. Aspinall and J. N. C. Whyte
University of Edinburgh, Edinburgh, Scotland[3]
J. Chem. Soc. 1964: 5058-5063. December

144-F POLYSACCHARIDES OF SOY-BEANS. PART II. FRACTIONATION OF HULL CELL-WALL POLYSACCHARIDES AND THE STRUCTURE OF A XYLAN
G. O. Aspinall, K. Hunt, and I. M. Morrison
University of Edinburgh, Edinburgh, Scotland[3]
J. Chem. Soc. C(21): 1945-1949. 1966

174-F * POLYSACCHARIDES OF SOYBEANS. PART III. EXTRACTION AND FRACTIONATION OF POLYSACCHARIDES FROM COTYLEDON MEAL
G. O. Aspinall, R. Begbie, A. Hamilton, and J. N. C. Whyte
University of Edinburgh, Edinburgh, Scotland[3]
J. Chem. Soc. C(11): 1065-1070. 1967

175-F * POLYSACCHARIDES OF SOYBEANS. PART IV. PARTIAL HYDROLYSIS OF THE ACIDIC POLYSACCHARIDE COMPLEX FROM COTYLEDON MEAL
G. O. Aspinall, I. W. Cottrell, Sylvia V. Egan, I. M. Morrison, and J. N. C. Whyte
University of Edinburgh, Edinburgh, Scotland[3]
J. Chem. Soc. C(11): 1071-1080. 1967

176-F * POLYSACCHARIDES OF SOYBEANS. PART V. ACIDIC POLYSACCHARIDES FROM THE HULLS
G. O. Aspinall, K. Hunt, and I. M. Morrison
University of Edinburgh, Edinburgh, Scotland[3]
J. Chem. Soc. C(11): 1080-1086. 1967

156-F * POLYSACCHARIDE COMPONENTS OF SOYBEANS
G. O. Aspinall, R. Begbie, and J. E. McKay
University of Edinburgh, Edinburgh, Scotland[3]
Cereal Sci. Today 12(6): 223, 226-228, 260-261. June 1967

89-F * SYSTEMATIC ANALYSIS OF STEROLS IN SOYBEANS AND OTHER OIL SEEDS
Toshiko Kiribuchi, Chea San Chen, and Saburo Funahashi
The University of Tokyo, Tokyo, Japan[3]
Agr. Biol. Chem. 29(3): 265-267. March 1965

233-F SEPARATION OF SOYBEAN STEROLS BY FLORISIL CHROMATOGRAPHY AND CHARACTERIZATION OF ACYLATED STERYL GLUCOSIDE
Toshiko Kiribuchi, Takemitsu Mizunaga, and Saburo Funahashi
The University of Tokyo, Tokyo, Japan[3]
Agr. Biol. Chem. 30(8): 770-778. August 1966

182-F PRECIPITATION OF ARABIC ACID AND SOME SEED POLYSACCHARIDES BY GLYCOSYLPHENYLAZO DYES
Joseph Yariv, Halina Lis, and Ephraim Katchalski
The Weizmann Institute of Science, Rehovoth, Israel[3]
Biochem. J. 105(1): 1C-2C. October 1967

225-F * OLIGOSACCHARIDES IN SOYBEANS--CHANGES BY HEAT TREATMENT, ETC.
[A brief review in Japanese]
Sin'itiro Kawamura
Kagawa University, Takamatsu, Japan[3]
[Biol. Chem., Jap.] 4(9): 470-471. [September 1966]

136-F * SOYBEAN OLIGOSACCHARIDES. ISOLATION BY GEL FILTRATION AND IDENTIFICATION BY ACETYLATION
Tadasi Kasai and Sin'itiro Kawamura
Kagawa University, Takamatsu, Japan[3]
Tech. Bull. Fac. Agr. Kagawa Univ. (Kagawa Daigaku Nogakubu Gakuzyutu Hokoku) 18(1): 9-15. October 1966

224-F * SOYBEAN OLIGOSACCHARIDES AND THEIR BEHAVIOR ON HEATING
[In Japanese]
Sin'itiro Kawamura
Kagawa University, Takamatsu, Japan[3]
Food Industry (Shokuhin Kogyo) 10(16): 25-34. August 1967

163-F SUGARS OF THE COTYLEDON, HULL, AND HYPOCOTYL OF SOYBEANS
[In Japanese]
Sin'itiro Kawamura, Minoru Tada, and Teiiti Narasaki
Kagawa University, Takamatsu, Japan[3]
J. Jap. Soc. Food Nutr. (Eiyo To Shokuryo) 19(4): 268-275. November 1966

Republication as English translation of 163-F:
QUANTITATIVE PAPER CHROMATOGRAPHY OF SUGARS OF THE COTYLEDON, HULL, AND HYPOCOTYL OF SOYBEANS OF SELECTED VARIETIES
Sin'itiro Kawamura
Kagawa University, Takamatsu, Japan[3]
Tech. Bull. Fac. Agr. Kagawa Univ. (Kagawa Daigaku Nogakubu Gakuzyutu Hokoku) 18(2): 117-131. March 1967

164-F QUANTITATIVE PAPER CHROMATOGRAPHY OF SUGARS OF DEFATTED SOYBEAN MEAL
Sin'itiro Kawamura
Kagawa University, Takamatsu, Japan[3]
Tech. Bull. Fac. Agr. Kagawa Univ. (Kagawa Daigaku Nogakubu Gakuzyutu Hokoku) 18(2): 132-137. March 1967

165-F ISOLATION AND DETERMINATION OF SUGARS FROM THE COTYLEDON, HULL, AND HYPOCOTYL OF SOYBEANS BY CARBON COLUMN CHROMATOGRAPHY
Sin'itiro Kawamura and Minoru Tada
Kagawa University, Takamatsu, Japan[3]
Tech. Bull. Fac. Agr. Kagawa Univ. (Kagawa Daigaku Nogakubu Gakuzyutu Hokoku) 18(2): 138-141. March 1967

166-F SEPARATION OF SUGARS FROM SOYBEANS BY CENTRIFUGAL CHROMATOGRAPHY
Sin'itiro Kawamura, Hiroshi Suzuki, and Masakazu Imayosi
Kagawa University, Takamatsu, Japan[3]
Tech. Bull. Fac. Agr. Kagawa Univ. (Kagawa Daigaku Nogakubu Gakuzyutu Hokoku) 18(2): 142-146. March 1967

167-F EFFECT OF AUTOCLAVING ON SUGARS OF DEFATTED SOYBEAN FLAKES FROM SELECTED VARIETIES
Sin'itiro Kawamura, Minoru Tada, and Noriko Irie
Kagawa University, Takamatsu, Japan[3]
Tech. Bull. Fac. Agr. Kagawa Univ. (Kagawa Daigaku Nogakubu Gakuzyutu Hokoku) 18(2): 147-153. March 1967

133-F SOYBEAN HEMAGGLUTININ, A PLANT GLYCOPROTEIN. I. ISOLATION OF A GLYCOPEPTIDE
Halina Lis, Nathan Sharon, and Ephraim Katchalski
The Weizmann Institute of Science, Rehovoth, Israel[3]
J. Biol. Chem. 241(3): 684-689. February 1966

159-F MULTIPLE HEMAGGLUTININS IN SOYBEAN
Halina Lis, Celia Fridman, Nathan Sharon, and Ephraim Katchalski
The Weizmann Institute of Science, Rehovoth, Israel[3]
Arch. Biochem. Biophys. 117(2): 301-309. November 1966

114-F * STUDIES IN FLAVOR COMPONENTS IN SOYBEAN. PART II. PHENOLIC ACIDS IN DEFATTED SOYBEAN FLOUR
Soichi Arai, Hideki Suzuki, Masao Fujimaki, and Yosito Sakurai
The University of Tokyo, Tokyo, Japan[3]
Agr. Biol. Chem. 30(4): 364-369. April 1966

226-F * SUGARS AND OTHER COMPONENTS OF "KINAKO" OR PARCHED FULL-FAT SOYBEAN FLOUR [In Japanese. English abstract, p. 174]
Sin'itiro Kawamura
Kagawa University, Takamatsu, Japan[3]
J. Jap. Soc. Food Nutr. (Eiyo To Shokuryo) 20(3): 174-176. September 1967

206-F SYNTHESIS OF 6-*O*-PALMITOYL-β-D-GLUCOSYL β-SITOSTEROL
Toshiko Kiribuchi, Norio Yasumatsu, and Saburo Funahashi
The University of Tokyo, Tokyo, Japan[3]
Agr. Biol. Chem. 31(10): 1244-1247. October 1967

250-F PROTEIN-CALCIUM-PHYTIC ACID RELATIONSHIPS IN SOYBEAN. PART I. EFFECTS OF CALCIUM AND PHOSPHORUS ON SOLUBILITY CHARACTERISTICS OF SOYBEAN MEAL PROTEIN
Kyoko Saio, Emiko Koyama, and Tokuji Watanabe
Japan Tofu Association, Tokyo, Japan[3]
Agr. Biol. Chem. 31(10): 1195-1200. October 1967

251-F PROTEIN-CALCIUM-PHYTIC ACID RELATIONSHIPS IN SOYBEAN. PART II. EFFECTS OF PHYTIC ACID ON COMBINATION OF CALCIUM WITH SOYBEAN MEAL PROTEIN
Kyoko Saio, Emiko Koyama, and Tokuji Watanabe
Japan Tofu Association, Tokyo, Japan[3]
Agr. Biol. Chem. 32(4): 448-452. April 1968

254-F ISOLATION AND CHARACTERIZATION OF SOYBEAN CYTOCHROME *C*
Celia Fridman, Halina Lis, Nathan Sharon, and Ephraim Katchalski
The Weizmann Institute of Science, Rehovoth, Israel[3]
Arch. Biochem. Biophys. 126(1): 299-304. July 1968

261-F INTERCELLULAR DISTRIBUTION OF TOCOPHEROL IN SOYBEAN COTYLEDONS
Mamoru Komoda, Setsuro Matsushita,[5] and Ichiro Harada
Sugiyama Chemical Research Institute, Tokyo, Japan[3]
Cereal Chem. 45(6): 581-588. June 1968

268-F A DIMERIC OXIDATION PRODUCT OF γ-TOCOPHEROL IN SOYBEAN OIL
Mamoru Komoda and Ichiro Harada
Sugiyama Chemical Research Institute, Tokyo, Japan[3]
J. Amer. Oil Chem. Soc. 46(1): 18-22. January 1969

2553 STRUCTURE OF UNSATURATED VEGETABLE OIL GLYCERIDES: DIRECT CALCULATIONS FROM FATTY ACID COMPOSITION
C. D. Evans, D. G. McConnell, G. R. List, and C. R. Scholfield
J. Amer. Oil Chem. Soc. 46(8): 421-424. August 1969

2624 PURIFICATION AND PROPERTIES OF SOYBEAN ALLANTOINASE
L. C. Wang and R. L. Anderson
Cereal Chem. 46(6): 656-663. November 1969

Potential Oilseed Crops

Cruciferae (includes crambe, mustard, and rapeseed)

1355 AMINO ACID COMPOSITION OF *LESQUERELLA* SEED MEALS
Roger Wayne Miller, C. H. VanEtten, and I. A. Wolff
J. Amer. Oil Chem. Soc. 39(2): 115-117. February 1962

1385 ISOTHIOCYANATES FROM ENZYMATIC HYDROLYSIS OF *LESQUERELLA* SEED MEALS
M. E. Daxenbichler, C. H. VanEtten, H. Zobel, and I. A. Wolff
J. Amer. Oil Chem. Soc. 39(3): 244-245. May 1962

1443 DENSIPOLIC ACID: A UNIQUE HYDROXYDIENOID ACID FROM *LESQUERELLA DENSIPILA* SEED OIL
C. R. Smith, Jr., T. L. Wilson, R. B. Bates,[6] and C. R. Scholfield
J. Org. Chem. 27(9): 3112-3117. September 1962

1353 *LUNARIA* SEED OIL--A RICH SOURCE OF C_{24} FATTY ACIDS
T. L. Wilson, C. R. Smith, Jr., and I. A. Wolff
J. Amer. Oil Chem. Soc. 39(2): 104-105. February 1962

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[5] Kyoto University, Kyoto, Japan

[6] University of Illinois, Urbana, Ill.

1435 AMINO ACID COMPOSITION OF SEED MEALS FROM FORTY-ONE SPECIES OF CRUCIFERAE
Roger Wayne Miller, C. H. VanEtten, Clara McGrew, I. A. Wolff, and Quentin Jones[1]
J. Agr. Food Chem. 10(5): 426-430. September-October 1962

1658 OXAZOLIDINETHIONES AND VOLATILE ISOTHIOCYANATES IN ENZYME-TREATED SEED MEALS FROM 65 SPECIES OF CRUCIFERAE
M. E. Daxenbichler, C. H. VanEtten, F. S. Brown, and Quentin Jones[1]
J. Agr. Food Chem. 12(2): 127-130. March-April 1964

145-C * USE OF DYE BINDING METHOD FOR PROTEIN ESTIMATION IN CRUCIFERAE MEALS
K. J. Goering and Jerry Yao
Montana State College, Bozeman[7]
Proc. Mont. Acad. Sci. 24: 59-60. 1964

137-C THE COMPOSITION OF THE OIL OF *BERTEROA INCANA* AND THE POTENTIAL VALUE OF ITS SEED AS A CASH CROP FOR MONTANA
K. J. Goering, Robert Eslick, and D. L. Brelsford
Montana State College, Bozeman[7]
Econ. Bot. 19(1): 44-45. January-March 1965

149-C A SEARCH FOR HIGH ERUCIC ACID CONTAINING OILS IN THE CRUCIFERAE
K. J. Goering, Robert Eslick, and D. L. Brelsford
Montana State College, Bozeman[7]
Econ. Bot. 19(3): 251-256. July-September 1965

1611 FATTY ACIDS, FATTY ALCOHOLS, WAX ESTERS, AND METHYL ESTERS FROM *CRAMBE ABYSSINICA* AND *LUNARIA ANNUA* SEED OILS
T. K. Miwa and I. A. Wolff
J. Amer. Oil Chem. Soc. 40(12): 742-744. December 1963

1850 A CRYSTALLINE POLYPEPTIDE FROM THE SEED OF *CRAMBE ABYSSINICA*
C. H. VanEtten, H. C. Nielsen, and J. E. Peters
Phytochemistry 4(3): 467-473. May 1965

1999 COMPOSITIONAL DIFFERENCES AMONG CRAMBE SAMPLES AND BETWEEN SEED COMPONENTS
F. R. Earle, J. E. Peters, I. A. Wolff, and G. A. White[1]
J. Amer. Oil Chem. Soc. 43(5): 330-333. May 1966

1762 SEED MEAL FROM *CRAMBE ABYSSINICA*
C. H. VanEtten, M. E. Daxenbichler, J. E. Peters, I. A. Wolff, and A. N. Booth[8]
J. Agr. Food Chem. 13(1): 24-27. January-February 1965

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[7] Report of research work done by an outside agency under contract with the U.S. Department of Agriculture and supervised by the Northern Utilization Research and Development Division.

[8] Western Regional Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, Albany, Calif.

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Institute of General Chemistry, Warsaw, Poland[3]
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Compositae (includes sunflower, safflower, and *Vernonia anthelmintica*)

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[9] Crops Research Division, Agricultural Research Service, U.S. Department of Agriculture, College Station, Tex.

[10] University of California, San Francisco.

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Santalaceae

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[11] University of Arizona, Tucson.

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[13] Marketing Economics Division, Economics Research Service, U.S. Department of Agriculture, Peoria, Ill.

[14] Marketing Economics Division, Economics Research Service, U.S. Department of Agriculture, Washington, D.C.

[15] Corn Products Co., Argo, Ill.

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R. Kleiman, G. F. Spencer, F. R. Earle, and I. A. Wolff
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Patents

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Potential Oilseed Crops

Other Plant Families

METHODS OF PREPARING A WAX ESTER SUBSTITUTE FOR JOJOBA OIL
Thomas K. Miwa and Ivan A. Wolff
U.S. Patent 3,226,406. December 28, 1965

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